



2019 BIENNIAL NATIONAL CONFERENCE
EPIDEMIOLOGY AND BIOSTATISTICS AT THE
NEXUS OF COMPLEX HEALTH CHALLENGES

CONFÉRENCE NATIONALE BIENNALE 2019
ÉPIDÉMIOLOGIE ET BIOSTATISTIQUE AU CŒUR
DES DÉFIS COMPLEXES EN MATIÈRE DE SANTÉ



MAY 13TH TO MAY 15TH • CARLETON UNIVERSITY • OTTAWA, ONTARIO
13 MAI AU 15 MAI • UNIVERSITÉ CARLETON • OTTAWA, ONTARIO



MONDAY, MAY 13, 2019

9:00AM – 12:00PM

Pre-Conference Workshop Series

- (1) Causal Inference for Complex Observational Data using Stata
Presented by
 - ❖ Chuck Huber, Associate Director of Statistical Outreach, StataCorp
- (2) GIS Workshop
Presented by:
 - ❖ Paul Peters, Associate Professor, Health Sciences, Carleton University
 - ❖ Daniel Rainham, Director, Environmental Science, Dalhousie University
 - ❖ Dan Crouse, Research Associate, Department of Sociology and New Brunswick Institute for Research, Data, and Training, University of New Brunswick
- (3) Introduction to Quantitative Bias Analysis Workshop
Presented by:
 - ❖ Hailey Banack, Post-Doctoral Fellow, Department of Epidemiology and Environmental Health, University at Buffalo
- (4) Introduction to SAS using health data
Presented by:
 - ❖ Bill Montelpare, SAS Canada
- (5) Introduction to Machine Learning using SAS
Presented by:
 - ❖ Hugh Cairns, SAS Canada
- (6) Introduction to propensity methods
Presented by:
 - ❖ Laura Rosella, Associate Professor, Dalla Lana School of Public Health, University of Toronto

12:50PM – 1:00PM

Conference Opening and Welcome Remarks

- Presented by:
- ❖ Gilles Paradis, Scientific Chair, 2019 CSEB Conference
 - ❖ Laura Rosella, President, CSEB
 - ❖ Paul Villeneuve, Local Organizing Chair, 2019 CSEB Conference

1:00PM – 2:30 PM

Socioeconomic Inequalities and Health, from Causal Inference to Policies

The objectives of this session will be to Characterize trends in and the dynamic nature of socioeconomic inequalities for mortality and morbidity in Europe and North America; to understand the differences between absolute and relative risk differences in socioeconomic inequalities of health; to understand the methodological challenges in studying socioeconomic inequalities in health; and to understand the population level determinants of health inequalities

- Presented by:
- ❖ JOHAN MACKENBACH, Professor and Chair of the Department of Public Health, University Medical Center Rotterdam, Erasmus University (Netherlands) and honorary professor at the London School of Hygiene and Tropical Medicine;
 - ❖ SAM HARPER, Associate Professor Department of Epidemiology, Biostatistics and Occupational Health McGill University and member of McGill University Centre on Population Dynamics

2:30 PM – 3:00PM

Health Break

3:00PM – 4:30PM

Concurrent Sessions: Stream A

4:30PM – 6:00PM

Networking Reception



TUESDAY, MAY 14, 2019

7:30AM – 8:30AM Breakfast

8:30AM – 10:00AM **Harnessing the power of data to inform health and social policy: from Europe to Canada**

The objectives of this session will be to describe and compare European and Canadian approaches to the use of large administrative databases to address key questions in support of health and social policies; contrast European and Canadian challenges in access to and exploitation of databases to answer important health system questions; describe successes in the use of population data for policy making, health care organization and evaluation; and illustrate novel methods to the production of reliable and valid research results that are useful to decision-makers.

Presented by:

- ❖ REINHARD BUSSE, Professor and Head of the Department of Health Care Management at the Berlin University of Technology (Germany) and Co-Director European Observatory on Health Systems and Policies' co-director;
- ❖ KIM MCGRAIL, Professor, UBC School of Population and Public Health and Scientific Director, Population Data BC, Data Director, BC Academic Health Sciences Network

10:00AM – 10:30AM **Health Break**

10:30AM – 12:00PM **Sub-Plenary Sessions**

Informing public health and social policies impacting maternal-child health: contributions of epidemiologic research

The objective of this session is to present epidemiological studies demonstrating contributions to informing and assessing the impact of such policies as they pertain to maternal-child health.

Presented by:

- ❖ DESHAYNE FELL, Associate Professor, School of Epidemiology and Public Health, University of Ottawa; Scientist, Children's Hospital of Eastern Ontario Research Institute;
- ❖ DANIEL CORSI, Adjunct Professor, School of Epidemiology and Public Health, University of Ottawa; Investigator, Children's Hospital of Eastern Ontario Research Institute and Ottawa Hospital Research Institute

Title of Session to be Confirmed Shortly

Outline and objectives of this session to be confirmed shortly.

Presented by:

- ❖ LISA LIX, Professor, Department of Community Health Sciences, University of Manitoba

Title of Session to be Confirmed Shortly

Outline and objectives of this session to be confirmed shortly.

Presented by:

- ❖ ARIJIT NANDI, Associate Professor, Department of Epidemiology, Biostatistics and Occupational Health & Institute for Health and Social Policy, McGill University

12:00PM – 1:15PM **Lunch**

1:15PM – 2:45PM **Concurrent Sessions: Stream B**

2:45PM – 3:15PM **Health Break**

3:15PM – 4:45PM **Concurrent Sessions: Stream C**

4:45PM – 6:00PM **Poster Viewing Reception**

8:00PM + **Networking Social**

**Coordinated by the CSEB Local Organizing Committee*



WEDNESDAY, MAY 15, 2019

7:30AM – 8:30AM **Breakfast**

8:30AM – 10:00AM **Sub-Plenary Sessions**

Cancer Burden in Canada: Opportunities for Prevention

Outline and objectives of this session to be confirmed shortly.

Presented by:

DARREN BRENNER, Assistant Professor, Departments of Oncology and Community Health Sciences, Cumming School of Medicine, University of Calgary; Research Scientist, Department of Cancer Epidemiology and Prevention Research, Alberta Health Services

Title of Session to be Confirmed Shortly

Outline and objectives of this session to be confirmed shortly.

Presented by:

❖ **CLAUDIA SANMARTIN**, Chief and Senior Researcher, Health Services Research, Statistics Canada

A data science tool kit has emerged to support Open Science for health service and policy research

The objectives of this session is to discuss data science approaches to research that has the potential to improve research transparency, reproducibility, quality, efficiency and implementation; to gain knowledge of the specific components of the toolkit; to share what parts of the toolkit are used in different Canadian health service research/policy settings and jurisdictions; to discuss the opportunities and barriers to implement the toolkit.

Presented by:

❖ **DOUGLAS MANUEL**, Senior Scientist, Clinical Epidemiology Program, Ottawa Hospital Research Institute; Professor, Departments of Family Medicine and Epidemiology and Community Medicine, University of Ottawa; Core Senior Scientist, Institute for Clinical Evaluation Sciences

10:00AM – 10:30 AM **Health Break**

10:30AM – 12:15PM **Hackathon & Awards Presentation**

**Students stay tuned! Hackathon competition details coming soon.*

2019 Awards Presentations:

Geoffrey R. Howe Outstanding Contribution Award
Lifetime Achievement Award
Distinguished Service Award
Early Career Award

12:15PM – 12:30PM **Closing Remarks**